Refine Search

Search Results -

Terms	Documents
L3 AND (514/$ OR 562/$)	14

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L4

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Thursday, October 11, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L4	L3 AND (514/$ OR 562/$)	14	L4
L3	calixarene.ti.	395	L3
DB=USPT; PLUR=YES; OP=ADJ			
L2	calixarene.ti.	49	L2
L1	5210216.pn.	1	L1

END OF SEARCH HISTORY

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 10 of 14 returned.

1. Document ID: US 20060083748 A1

L4: Entry 1 of 14 File: PGPB Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060083748
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060083748 A1

TITLE: Calixarenes for use as excipient for an active substance

PUBLICATION-DATE: April 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wolf; Hans-Uwe	Neu-Ulm		DE
Dormann; Jorg Martin	Blaustein		DE

US-CL-CURRENT: 424/184.1; 514/772, 534/653, 536/22.1, 536/46

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

2. Document ID: US 20040087666 A1

L4: Entry 2 of 14 File: PGPB May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040087666
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040087666 A1

TITLE: Calixarene-based guest-host assemblies for guest storage and transfer

PUBLICATION-DATE: May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Atwood, Jerry L.	Columbia	MO	US
Barbour, Leonard J.	Columbia	MO	US
Jerga, Agoston	Columbia	MO	US

US-CL-CURRENT: 514/734; 568/718

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

3. Document ID: US 20020002290 A1

L4: Entry 3 of 14 File: PGPB Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020002290
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020002290 A1

TITLE: Calixarenes and their use for sequestration of metals

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nicholson, Graeme P.	Reading		GB
Kan, Mark J.	Reading		GB
Williams, Gareth	Reading		GB
Drew, Michael G.	Reading		GB
Beer, Paul D.	Oxford		GB

US-CL-CURRENT: 549/348; 562/466, 562/471, 562/473

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

4. Document ID: US 6358431 B1

L4: Entry 4 of 14 File: USPT Mar 19, 2002

US-PAT-NO: 6358431
DOCUMENT-IDENTIFIER: US 6358431 B1

TITLE: Calixarenes

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

5. Document ID: US 6342634 B1

L4: Entry 5 of 14 File: USPT Jan 29, 2002

US-PAT-NO: 6342634
DOCUMENT-IDENTIFIER: US 6342634 B1

TITLE: Calixarenes and their use for sequestration of metals

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

6. Document ID: US 6326394 B1

L4: Entry 6 of 14 File: USPT Dec 4, 2001

US-PAT-NO: 6326394
DOCUMENT-IDENTIFIER: US 6326394 B1

TITLE: Calixarene tubes as cation receptors

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

---

☐ 7. Document ID: US 6297395 B1

L4: Entry 7 of 14 File: USPT Oct 2, 2001

US-PAT-NO: 6297395
DOCUMENT-IDENTIFIER: US 6297395 B1

TITLE: Calixarenes and their use for sequestration of metals

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

---

☐ 8. Document ID: US 6200936 B1

L4: Entry 8 of 14 File: USPT Mar 13, 2001

US-PAT-NO: 6200936
DOCUMENT-IDENTIFIER: US 6200936 B1

TITLE: Salicyclic calixarenes and their use as lubricant additives

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

---

☐ 9. Document ID: US 6093517 A

L4: Entry 9 of 14 File: USPT Jul 25, 2000

US-PAT-NO: 6093517
DOCUMENT-IDENTIFIER: US 6093517 A

TITLE: Calixarenes for use as dissolution inhibitors in lithographic photoresist compositions

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

---

☐ 10. Document ID: US 5952526 A

L4: Entry 10 of 14 File: USPT Sep 14, 1999

US-PAT-NO: 5952526
DOCUMENT-IDENTIFIER: US 5952526 A

TITLE: Process for the dealkylating sulfonation of p-alkyl calixarenes

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L3 AND (514/$ OR 562/$)	14

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 11 through 14 of 14 returned.

11. Document ID: US 5846515 A

L4: Entry 11 of 14 File: USPT Dec 8, 1998

US-PAT-NO: 5846515
DOCUMENT-IDENTIFIER: US 5846515 A

TITLE: Calixarene conjugate diagnostic agents for computerized tomography and method for using same

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

12. Document ID: US 5844056 A

L4: Entry 12 of 14 File: USPT Dec 1, 1998

US-PAT-NO: 5844056
DOCUMENT-IDENTIFIER: US 5844056 A

TITLE: Star polymers having multiple polyisobutylene arms emanating from a calixarene core, initiators therefor, and method for the synthesis thereof

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

13. Document ID: US 5622687 A

L4: Entry 13 of 14 File: USPT Apr 22, 1997

US-PAT-NO: 5622687
DOCUMENT-IDENTIFIER: US 5622687 A

TITLE: Calixarene conjugates useful as MRI and CT diagnostic imaging agents

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

14. Document ID: US 5489612 A

L4: Entry 14 of 14 File: USPT Feb 6, 1996

US-PAT-NO: 5489612
DOCUMENT-IDENTIFIER: US 5489612 A

TITLE: Calixarene chloride-channel blockers

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw D

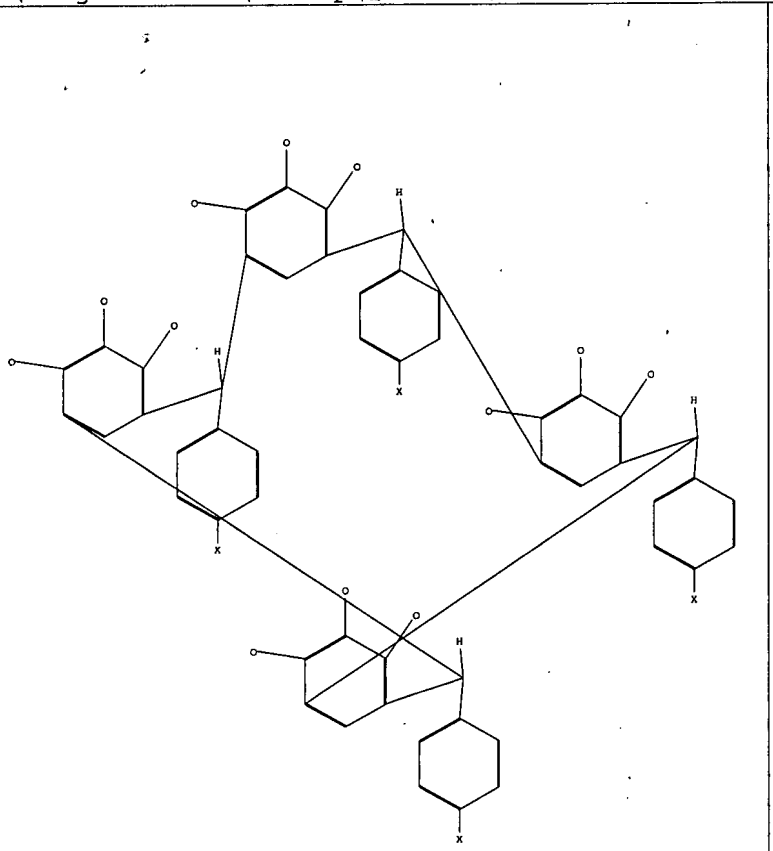
Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

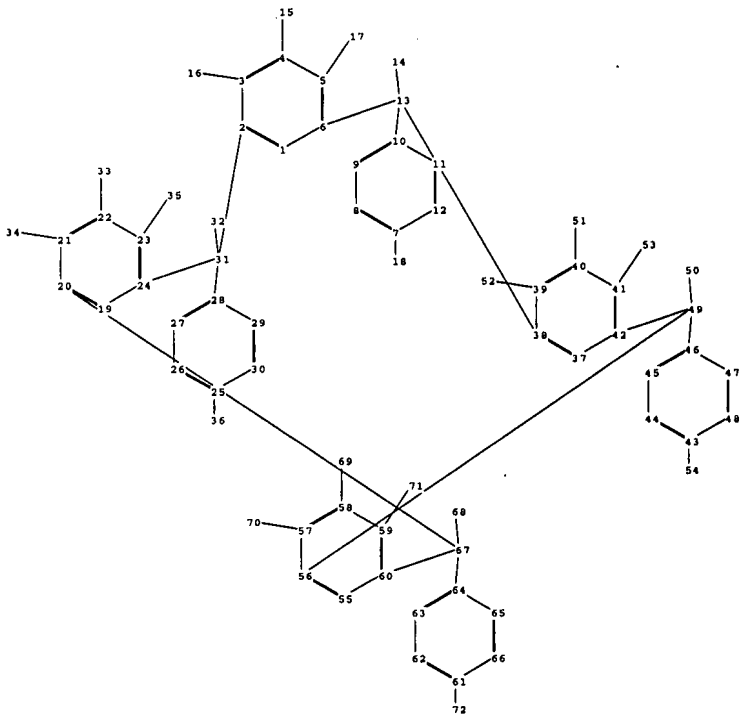
Terms	Documents
L3 AND (514/$ OR 562/$)	14

Display Format: - Change Format

Previous Page Next Page Go to Doc#

C:\Program Files\Stnexp\Queries\060.str





chain nodes :
14 15 16 17 18 32 33 34 35 36 50 51 52 53 54 68 69 70 71 72
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 19 20 21 22 23 24 25 26 27 28 29 30
31 37 38 39 40 41 42 43 44 45 46 47 48 49 55 56 57 58 59 60 61 62 63
64 65 66 67
chain bonds :
3-16 4-15 5-17 7-18 10-13 13-14 21-34 22-33 23-35 25-36 28-31 31-32 39-52
40-51 41-53 43-54 46-49 49-50 57-70 58-69 59-71 61-72 64-67 67-68
ring bonds :
1-2 1-6 2-3 2-31 3-4 4-5 5-6 6-13 7-8 7-12 8-9 9-10 10-11 11-12 13-38 19-20
19-24 20-21 20-67 21-22 22-23 23-24 24-31 25-26 25-30 26-27 27-28 28-29 29-30
37-38 37-42 38-39 39-40 40-41 41-42 42-49 43-44 43-48 44-45 45-46 46-47 47-48
49-56 55-56 55-60 56-57 57-58 58-59 59-60 60-67 61-62 61-66 62-63 63-64 64-65
65-66
exact/norm bonds :
2-31 3-16 4-15 5-17 6-13 13-38 20-67 21-34 22-33 23-35 24-31 39-52 40-51 41-53
42-49 49-56 57-70 58-69 59-71 60-67
exact bonds :
7-18 10-13 13-14 25-36 28-31 31-32 43-54 46-49 49-50 61-72 64-67 67-68
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 19-20 19-24 20-21
21-22 22-23 23-24 25-26 25-30 26-27 27-28 28-29 29-30 37-38 37-42 38-39 39-40
40-41 41-42 43-44 43-48 44-45 45-46 46-47 47-48 55-56 55-60 56-57 57-58 58-59
59-60 61-62 61-66 62-63 63-64 64-65 65-66

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:Atom 38:Atom 39:Atom
40:Atom

41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom
50:CLASS 51:CLASS 52:CLASS 53:CLASS 54:CLASS 55:Atom 56:Atom 57:Atom 58:Atom
59:Atom 60:Atom 61:Atom 62:Atom 63:Atom 64:Atom 65:Atom 66:Atom 67:Atom 68:CLASS
69:CLASS 70:CLASS 71:CLASS 72:CLASS

American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Oct 2007 VOL 147 ISS 16
FILE LAST UPDATED: 10 Oct 2007 (20071010/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=>
Uploading C:\Program Files\Stnexp\Queries\060.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 14:50:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 164 TO ITERATE

100.0% PROCESSED 164 ITERATIONS 23 ANSWERS
SEARCH TIME: 00.00.01

L2 23 SEA SSS FUL L1

L3 6 L2

=> d 1-6 ibib abs hitstr

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:1313469 CAPLUS
DOCUMENT NUMBER: 147:290782
TITLE: Synthesis of calix[4]pyrogallolarene and its application in spectrophotometric determination of V(V) metal
AUTHOR(S): Lokhande, R. S.; Dapale, Sheetal S.; Chaudhary, A. B.; Nirupa, S.
CORPORATE SOURCE: Department of Chemistry, University of Mumbai, Mumbai, 400 098, India
SOURCE: Asian Journal of Chemistry (2007), 19(1), 505-509
CODEN: AJCHEW; ISSN: 0970-7077
PUBLISHER: Asian Journal of Chemistry

DOCUMENT TYPE: Journal
LANGUAGE: English

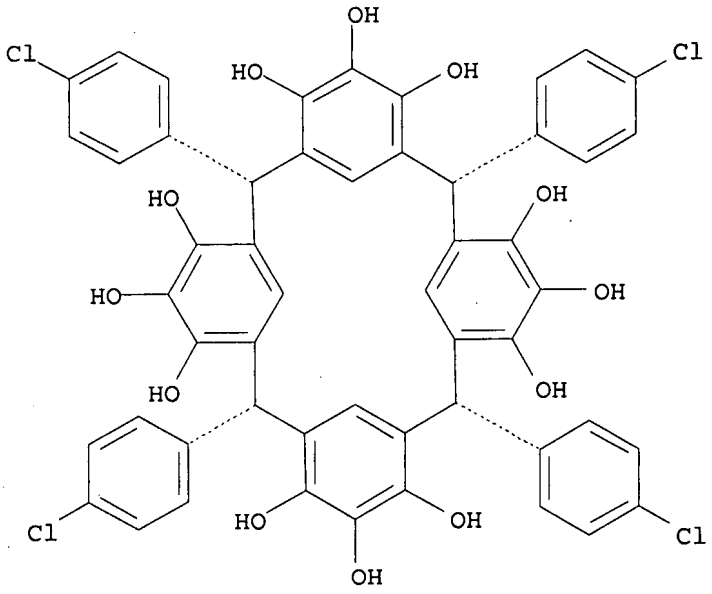
AB Calix[4]pyrogallolarene was synthesized and its characterization was carried out using elemental anal., FTIR, NMR technique. The reagent was then used for the development of a new method for the extractive spectrophotometric determination of V(V) metal. The reagent forms complex with the metal to produce blue colored complex which was then extracted into BuOH at pH 4.2 having maxima at 600 nm. The effect of diverse anions and cations was also studied. The developed method was employed to determine V(V) metal from synthetic mixts.

IT 876173-40-9P
RL: ARG (Analytical reagent use); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(synthesis of calix[4]pyrogallolarene and its application in spectrophotometric determination of V(V) metal)

RN 876173-40-9 CAPLUS

CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-chlorophenyl)-, stereoisomer (9CI) (CA INDEX NAME)

Relative stereochemistry.

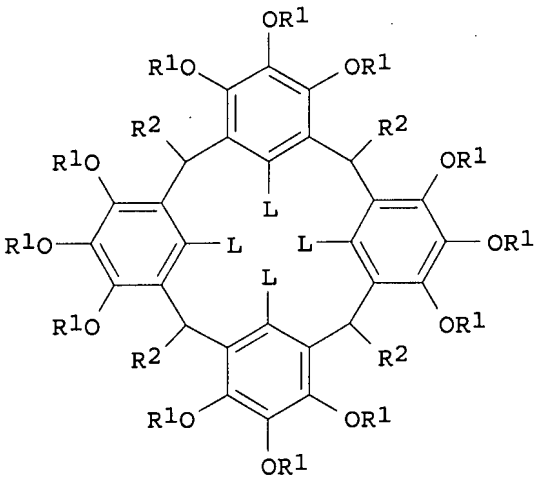


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:450942 CAPLUS
DOCUMENT NUMBER: 143:7514
TITLE: Preparation of alkylated pyrogallol calixarene type compounds as anti-viral compounds
INVENTOR(S): Coveney, Donal; Costello, Benjamin
PATENT ASSIGNEE(S): Aids Care Pharma Limited, Ire.
SOURCE: U.S. Pat. Appl. Publ., 13 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

US 2005113454 A1 20050526 US 2003-722060 20031125
PRIORITY APPLN. INFO.: US 2003-722060 20031125
OTHER SOURCE(S): CASREACT 143:7514; MARPAT 143:7514
GI



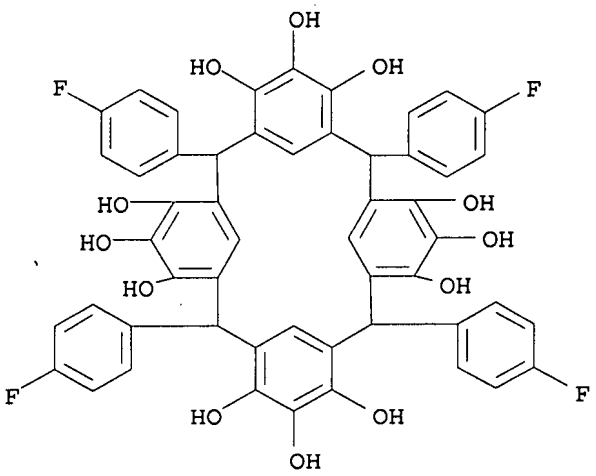
I

AB Compds. of formula I wherein at least one R1 is H and the remainder are CH2CO2K; R2 is CH-Ph-F and L is H are described. The compds. are useful as pharmaceutical compns. in the treatment of AIDS. A process for preparation of I is addnl. claimed, as are pharmaceutical compns. containing I.

IT 433334-86-2DP, alkylated 629614-91-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of alkylated pyrogallol calixarene type compds. as anti-viral compds.)

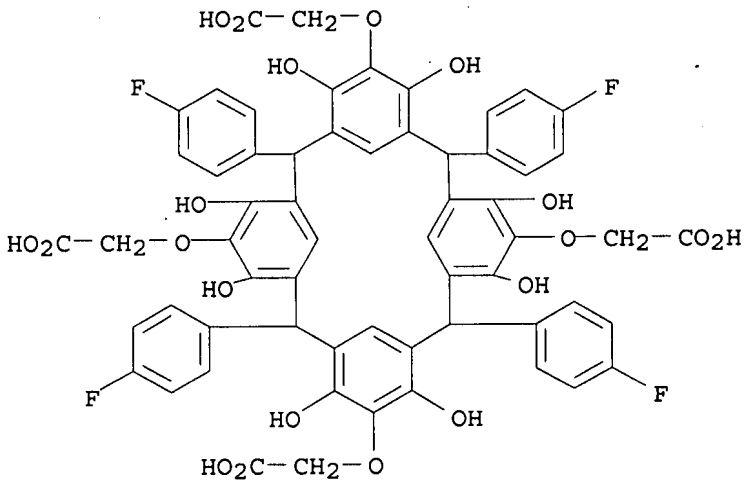
RN 433334-86-2 CAPLUS

CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 629614-91-1 CAPLUS

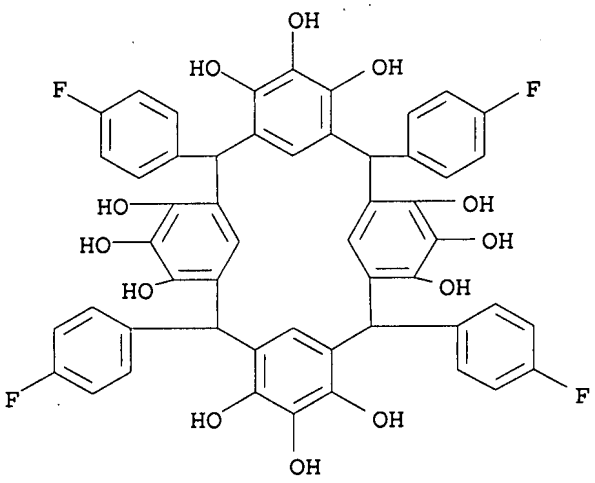
CN Acetic acid, 2,2',2'',2'''-[[2,8,14,20-tetrakis(4-fluorophenyl)-4,6,10,12,16,18,22,24-octahydroxypentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-5,11,17,23-tetrayl]tetrakis(oxy)]tetrakis-, tetrapotassium salt (9CI) (CA INDEX NAME)



● 4 K

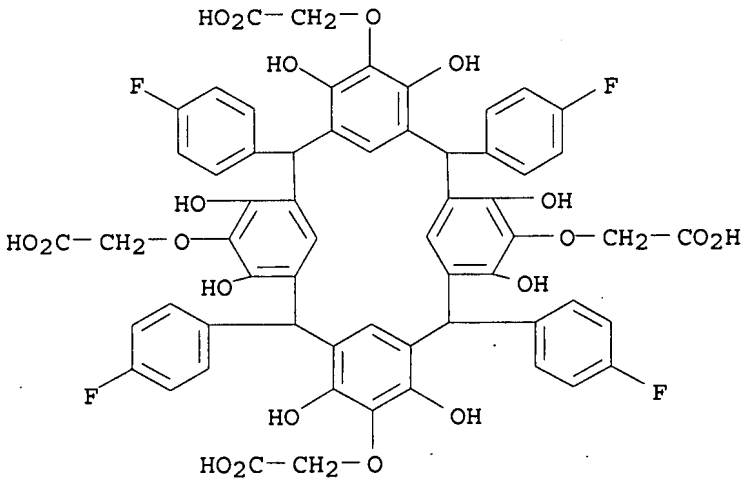
IT 433334-86-2P 757940-21-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of alkylated pyrogallol calixarene type compds. as anti-viral compds.)

RN 433334-86-2 CAPLUS
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 757940-21-9 CAPLUS
CN Acetic acid, 2,2',2'',2'''-[[2,8,14,20-tetrakis(4-fluorophenyl)-4,6,10,12,16,18,22,24-octahydroxypentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-5,11,17,23-

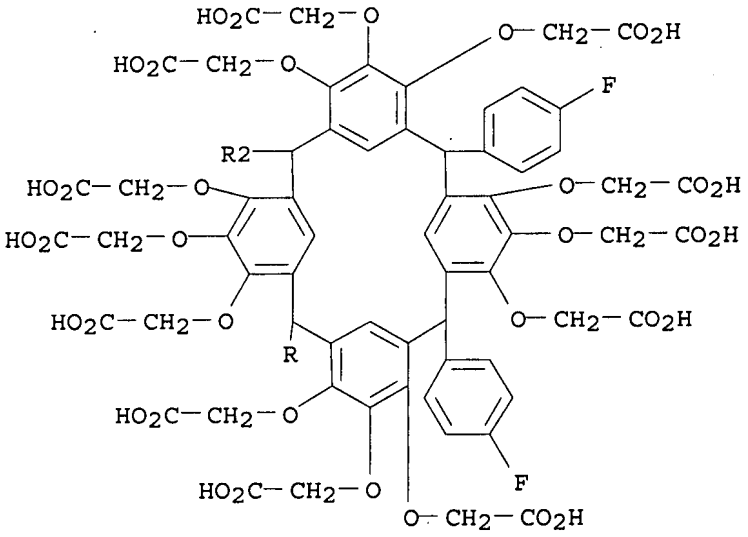
tetrayl]tetrakis(oxy)]tetrakis- (9CI) (CA INDEX NAME)

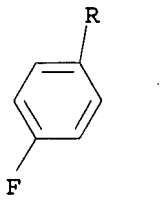


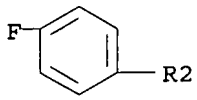
IT 629614-93-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of alkylated pyrogallol calixarene type compds. as anti-viral compds.)

RN 629614-93-3 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''-[[2,8,14,20-tetrakis(4-fluorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)







●12 K

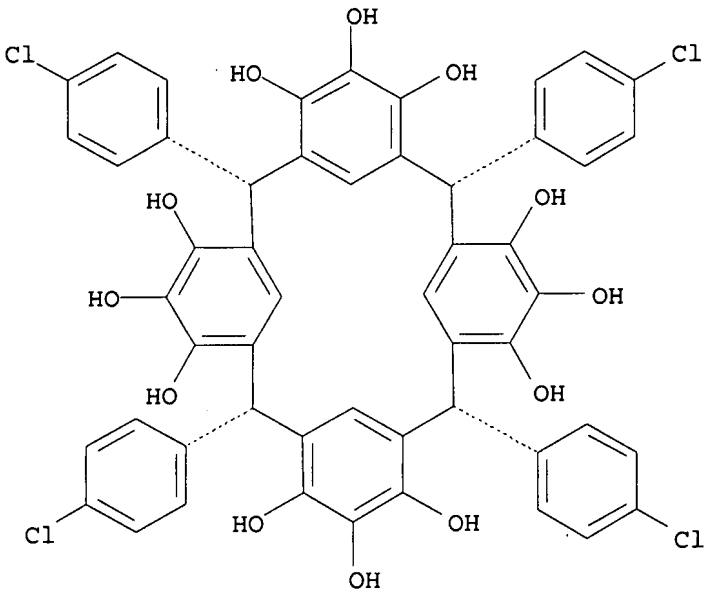
L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:437628 CAPLUS
DOCUMENT NUMBER: 144:246002
TITLE: Spectrophotometric determination of Mo(VI) metal using calix(4)pyrogallolarene and its application
AUTHOR(S): Lokhande, R. S.; Dapale, Sheetal S.; Chaudhary, A. B.
CORPORATE SOURCE: Department of Chemistry, University of Mumbai, Mumbai, 400 098, India
SOURCE: International Journal of Chemical Sciences (2005), 3(1), 115-120
CODEN: IJCSIL; ISSN: 0972-768X
PUBLISHER: Sadguru Publications
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Calix(4)pyrogallolarene was synthesized and it was characterized using elemental anal. FTIR and NMR data. The reagent was then used for development of a new method for the extractive spectrophotometric determination of Mo (VI) metal. The reagent forms brown colored complex with the metal, which was then extracted with BuOH at pH 2.0 having maxima at 580 nm. The effect of diverse anions and cations was also studied. Sandell sensitivity and Molar Absorptivity was calculated The developed method was employed to determine Mo (VI) metal from anal. samples.

IT 876173-40-9P
RL: ARG (Analytical reagent use); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(spectrophotometric determination of Mo(VI) metal using calix(4)pyrogallolarene and its application)

RN 876173-40-9 CAPLUS
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-chlorophenyl)-, stereoisomer (9CI) (CA INDEX NAME)

Relative stereochemistry.

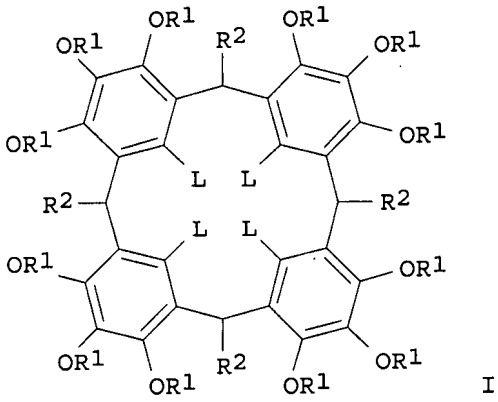


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:947709 CAPLUS
DOCUMENT NUMBER: 140:16573
TITLE: Preparation of calixarene-derivatives having anti-viral activity
INVENTOR(S): Coveney, Donal; Costello, Benjamin
PATENT ASSIGNEE(S): Aids Care Pharma, Limited, Ire.
SOURCE: Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1367044	A1	20031203	EP 2003-76538	20030521
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			EP 2003-76538	20030521

OTHER SOURCE(S): CASREACT 140:16573; MARPAT 140:16573
GI



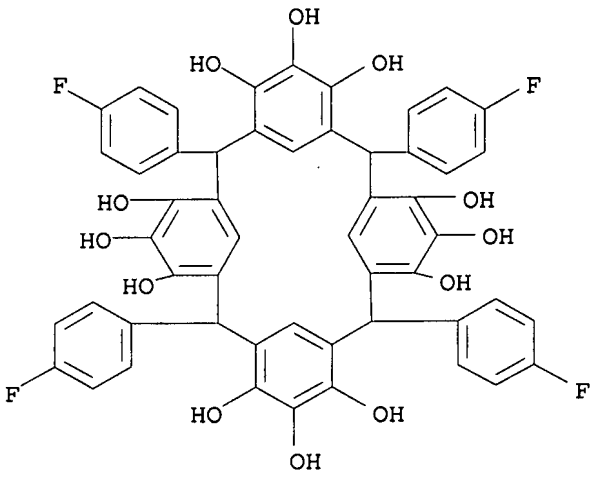
I

AB The patent relates to the preparation of compds. I wherein at least one R1 = H and the remainder = CH2CO2K; R2 = 4-fluorophenyl; and L = H. The compds. are useful as pharmaceutical compns. in the treatment of AIDS. Thus, a pyrogallol calixarene derivative prepared by reacting pyrogallol and p-fluorobenzaldehyde to form pyrogallol calixarene; treated with potassium carbonate and Et bromoacetate; and followed by hydrolysis gave EC50 of 1.25 μM compared to 0.5-1.0 for the control (AC-1) in HIV-1 antiviral assay.

IT 433334-86-2DP, carboxymethylated, potassium salts
629614-91-1P 629614-93-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of calixarene-derivs. having anti-viral activity)

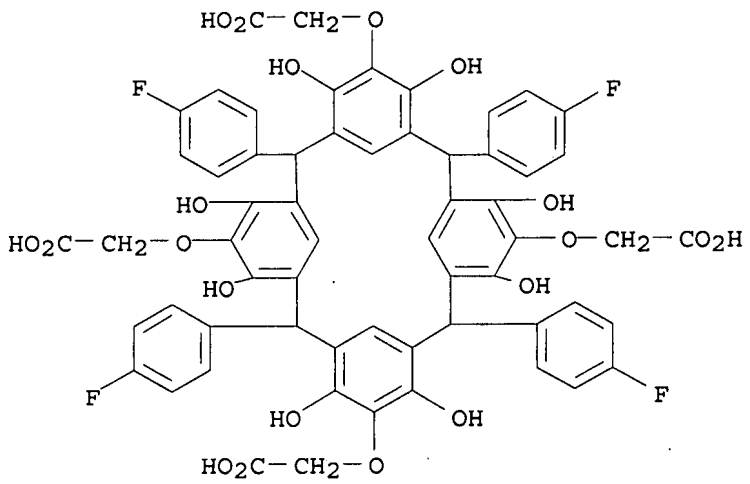
RN 433334-86-2 CAPLUS

CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 629614-91-1 CAPLUS

CN Acetic acid, 2,2',2'',2'''-[[2,8,14,20-tetrakis(4-fluorophenyl)-4,6,10,12,16,18,22,24-octahydroxypentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-5,11,17,23-tetrayl]tetrakis(oxy)]tetrakis-, tetrapotassium salt (9CI) (CA INDEX NAME)

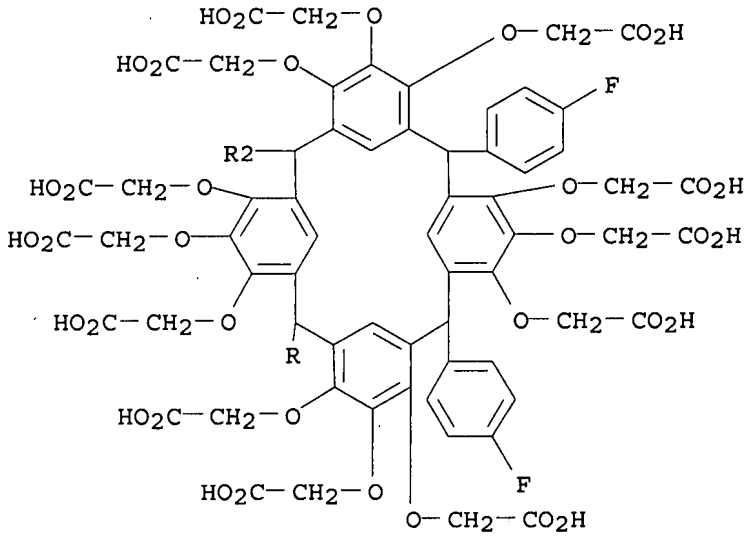


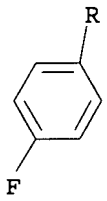
● 4 K

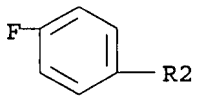
RN 629614-93-3 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''-[[2,8,14,20-tetrakis(4-fluorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)

PAGE 1-A



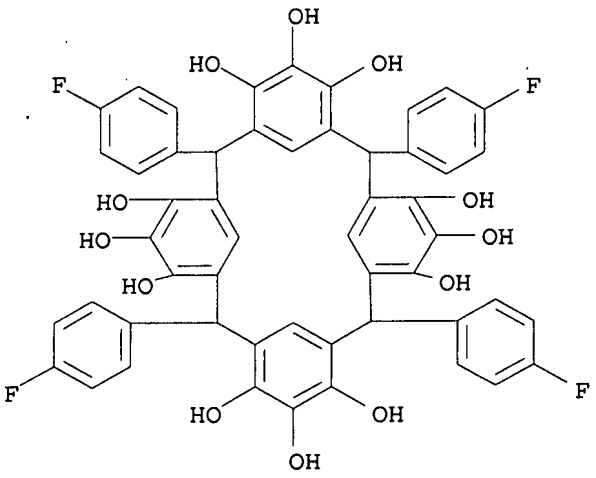




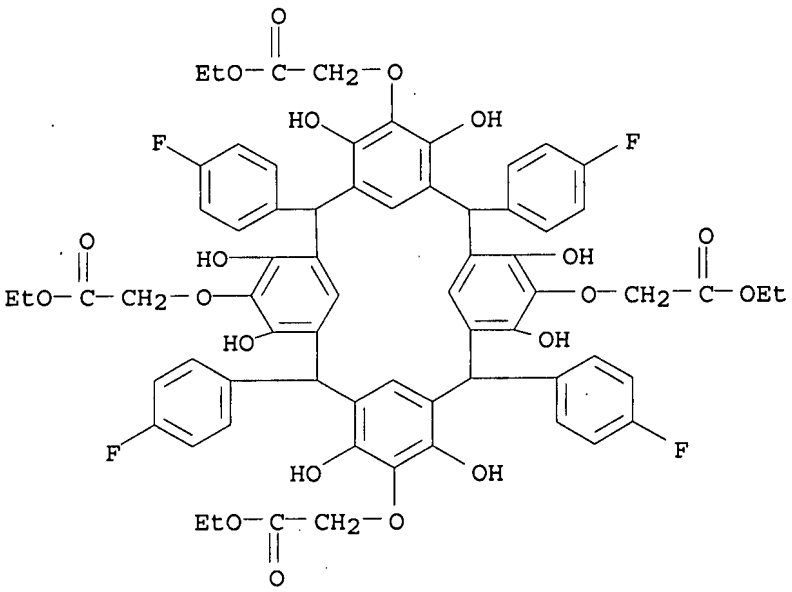
●12 K

IT 433334-86-2P 629614-94-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of calixarene-derivs. having anti-viral activity)

RN 433334-86-2 CAPLUS
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 629614-94-4 CAPLUS
CN Acetic acid, 2,2',2'',2'''-[[2,8,14,20-tetrakis(4-fluorophenyl)-4,6,10,12,16,18,22,24-octahydroxypentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-5,11,17,23-tetrayl]tetrakis(oxy)]tetrakis-, tetraethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:428850 CAPLUS
DOCUMENT NUMBER: 137:6006
TITLE: Preparation of Calixarenes as Anti-viral compounds
INVENTOR(S): Harris, Stephen J.
PATENT ASSIGNEE(S): Aids Care Pharma Limited, Ire.
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002044121	A1	20020606	WO 2001-IE150	20011130
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002020992	A5	20020611	AU 2002-20992	20011130
EP 1345884	A1	20030924	EP 2001-998526	20011130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.: IE 2000-983 A 20001201
WO 2001-IE150 W 20011130

OTHER SOURCE(S): CASREACT 137:6006; MARPAT 137:6006
GI

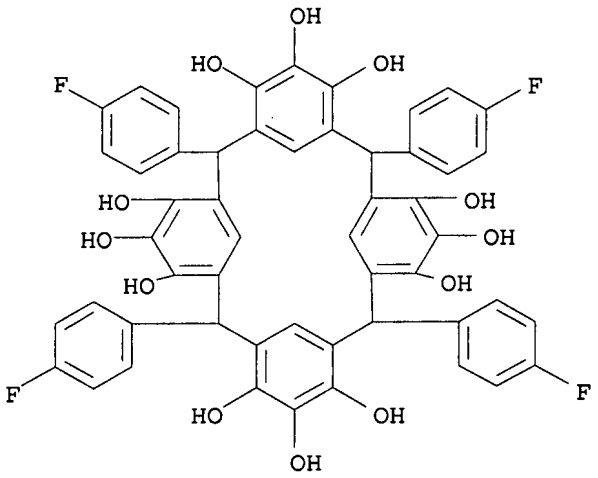
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = OCH2CO2K, OCH2CO2H or OCH2CONH2; R2 = R1 or NO2; R3 = H, 2-HO2CCH2OC6H4, or 4-XC6H4 where X = halo (preferably F or Br); R4 = H or halo (preferably Br)] are prepared and disclosed as antiviral agents. Thus, II was prepared in four steps via cyclocondensation 4-fluorobenzaldehyde with pyrogallol and subsequent bromination, O-alkylation with Et bromoacetate and hydrolysis with KOH. II possessed a therapeutic index (TC50/EC50 μm) of 4,000. I were found to have an additive effect when administered with AZT, and therefore, the compds. are useful as pharmaceutical compns. in the treatment of AIDS.

IT 433334-86-2P 433334-87-3P 433334-88-4P
433334-94-2P 433334-95-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediates; preparation and antiviral activity of calixarenes as anti-AIDS agents)

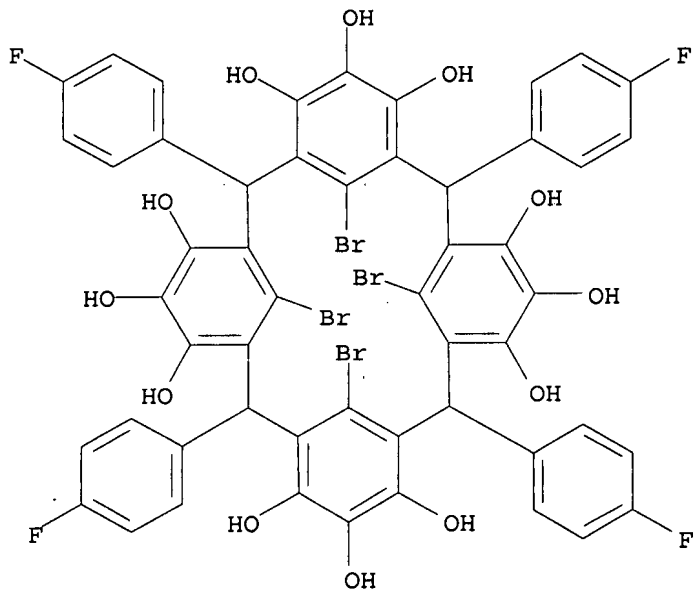
RN 433334-86-2 CAPLUS

CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)

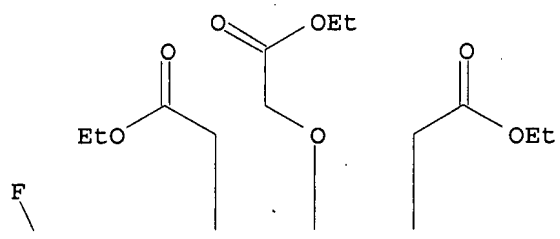


RN 433334-87-3 CAPLUS

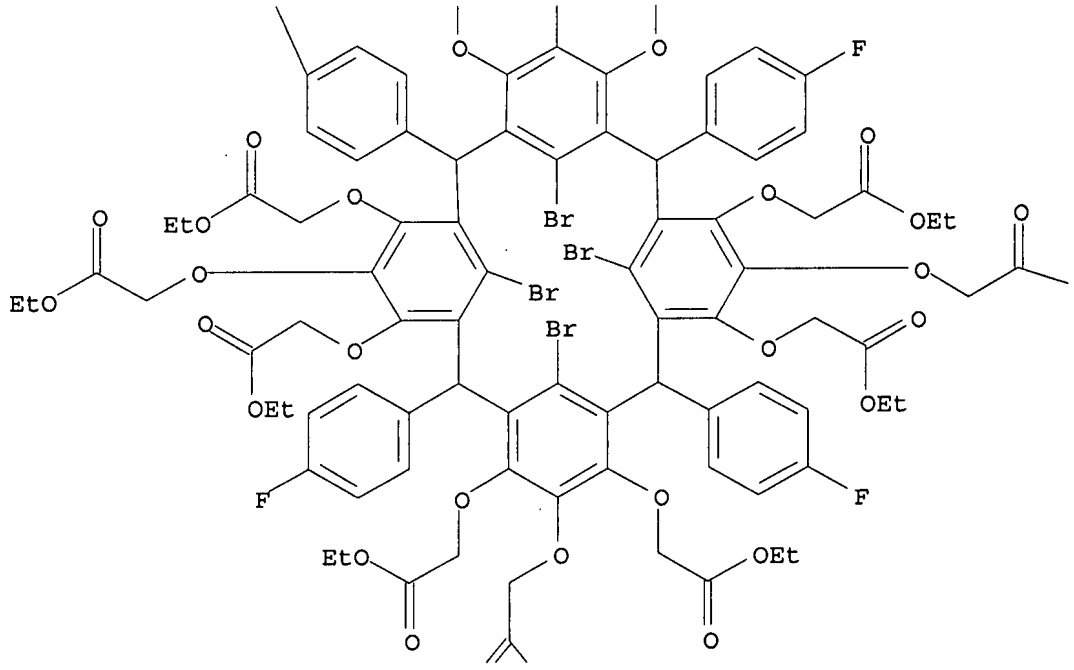
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 433334-88-4 CAPLUS
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-fluorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecaethyl ester (9CI) (CA INDEX NAME)

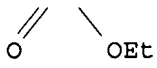


PAGE 2-A

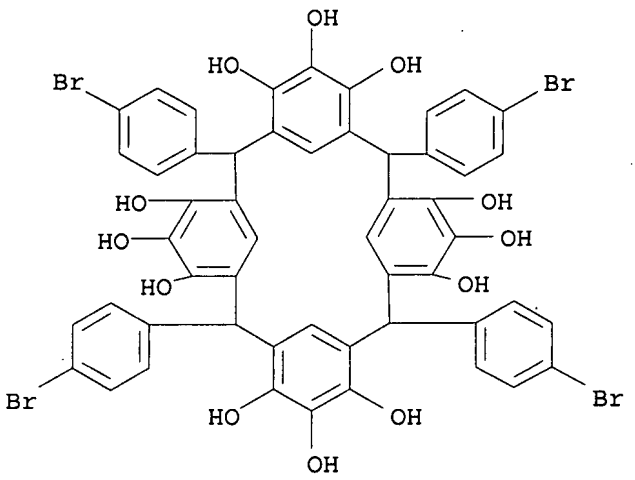


PAGE 2-B

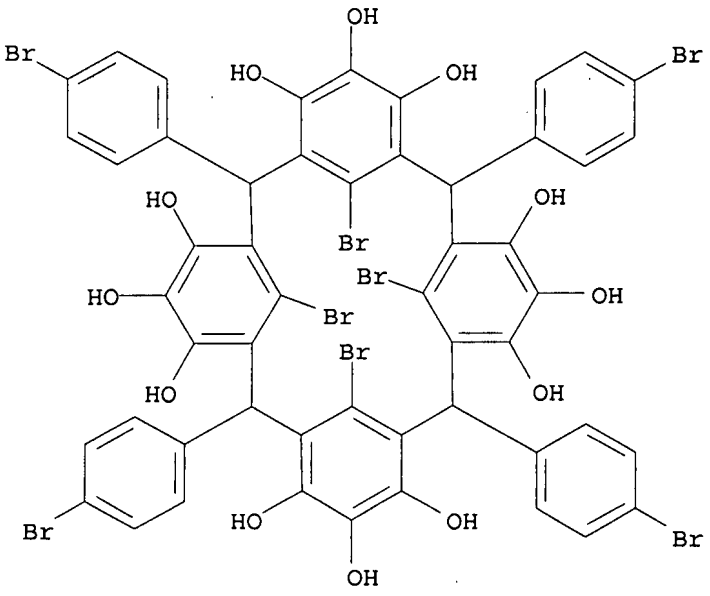
PAGE 3-A



RN 433334-94-2 CAPLUS
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 2,8,14,20-tetrakis(4-bromophenyl)- (9CI) (CA INDEX NAME)

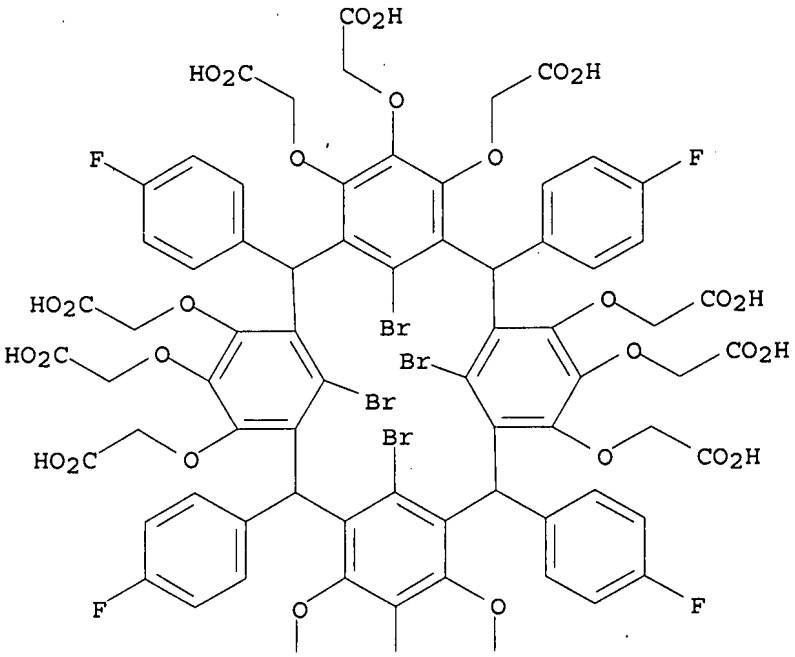


RN 433334-95-3 CAPLUS
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecol, 25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-bromophenyl)- (9CI) (CA INDEX NAME)

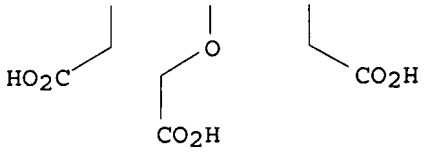


IT 433334-81-7P 433334-85-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compds.; preparation and antiviral activity of calixarenes as anti-AIDS agents)
RN 433334-81-7 CAPLUS
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-fluorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

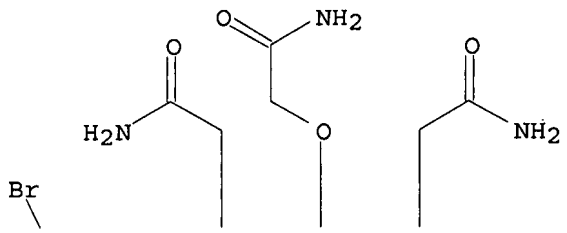


●12 K

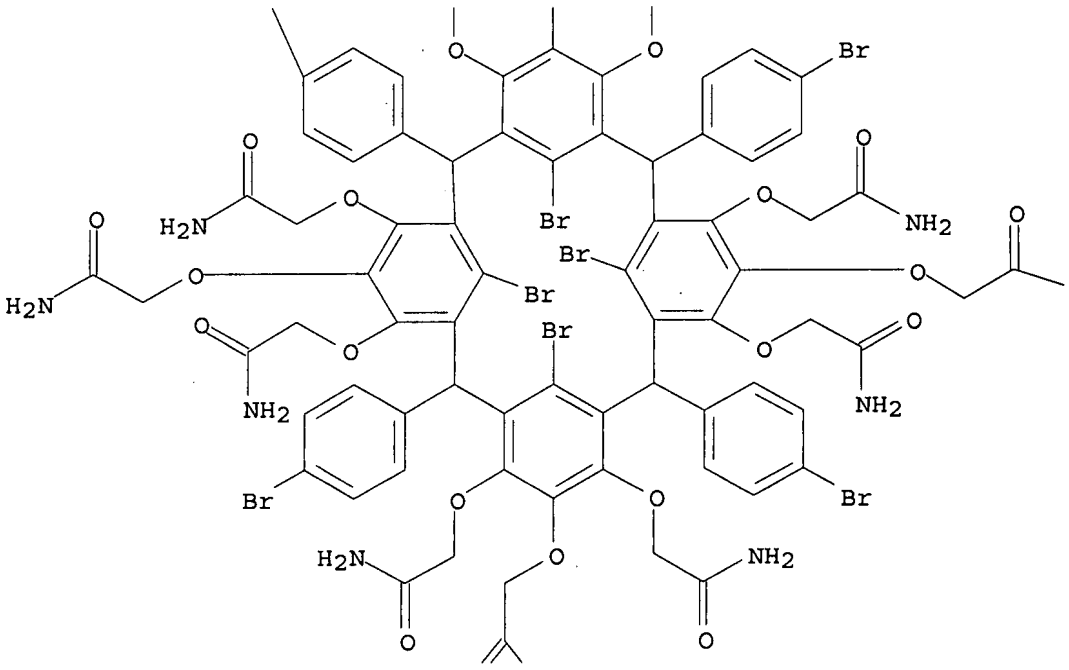
RN 433334-85-1 CAPLUS

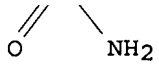
CN Acetamide, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-bromophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A





REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:994163 CAPLUS
DOCUMENT NUMBER: 124:55584
TITLE: Preparation of calixarene-based compounds having antibacterial, antifungal, anticancer, and anti-HIV activity
INVENTOR(S): Harris, Stephen J.
PATENT ASSIGNEE(S): Ire.
SOURCE: PCT Int. Appl., 148 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9519974	A2	19950727	WO 1995-IE8	19950124
WO 9519974	A3	19950921		
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, FI, GB, HU, JP, KP, LU, NO, RO, UA, US				
RW: AT, BE, CH, DE, ES, FR, GB, GR, IE, LU, NL, SE, GA, ML, NE, SN, TD, TG				
AU 9515453	A	19950808	AU 1995-15453	19950124
PRIORITY APPLN. INFO.:			IE 1994-57 A	19940124
			WO 1995-IE8 A	19950124

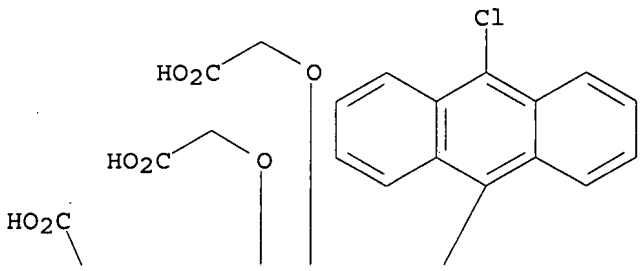
OTHER SOURCE(S): MARPAT 124:55584
GI For diagram(s), see printed CA Issue.
AB Calixarene-based compds., which are calixarenes or oxacalixarenes, acyclic phenyl-formaldehyde oligomers, cyclotriveratrylene derivs., cyclic tetrameric resorcinol-aldehyde derivs. known as Hogberg compds. and cyclic tetrameric pyrogallol-aldehyde derivs., are prepared For example, calixarenes or oxacalixarenes are represented by general formula [I; n + m = 3-8; m = 0-3; n = 0-8; R1 = H, halo, hydrocarbyl, aryl, (un)substituted hydrocarbylaryl, NO2, SO3M1; wherein M1 = alkali metal, SO3H; R1 = OR2; wherein R2 = CH2CO2R3, CH2CO2Mp/p, CH2CONR4R5; wherein R3 = (un)substituted alkyl; M = metal, ammonium ion; p = the charge on the metal ion; R4 or R5 may be the same or different, or both may be part of amino acid ester of poly(amino acid ester) or one or more of the same or different amino acids or part of a cyclic polyene antibiotic/antifungal

drug or part of a cyclic nitrogen heterocycle; X = halo, NO2, CO2H, cyano, other electron withdrawing group]. Thus, n-butyraldehyde and pyrogallol in a 1:4 mixture of 37% aqueous HCl and EtOH was refluxed under N for 90 min to give a cyclic tetramer (II; R = X = H), which was brominated with Br in CHCl3 to II (R = H, X = Br) and etherified with Et bromoacetate in the presence of K2CO3 in refluxing acetone to give II (R = CH2CO2Et, X = Br). The latter compound was saponified with KOH in refluxing EtOH , acidified with aqueous HCl, and treated with 25% aqueous NH4OH to give II (R = CH2CO2-NH4+, X =
Br). The latter compound in vitro inhibited the infection of C8166 cells with HIV-2, SIV (Simian immunodeficiency virus), and HIV-1 with EC50 of 10, 20, and 0.03 μM.

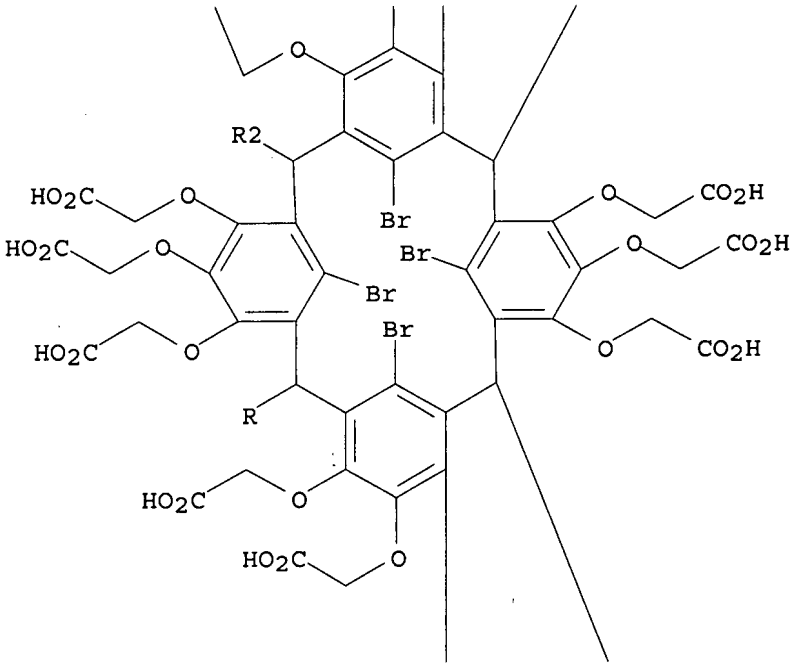
IT 171799-80-7P 171799-81-8P 171799-82-9P
171799-89-6P 171799-90-9P 171799-91-0P
171799-95-4P 171799-96-5P 171799-97-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of calixarene-based compds. having antibacterial, antifungal, anticancer, and anti-HIV activity)

RN 171799-80-7 CAPLUS

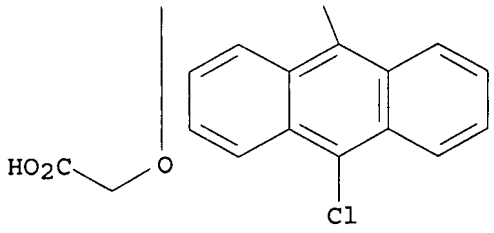
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''',2''''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-(10-chloro-9-anthracenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),8,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)

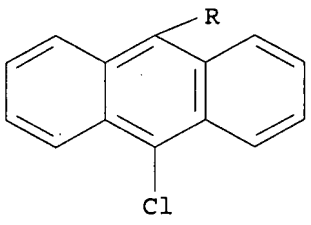


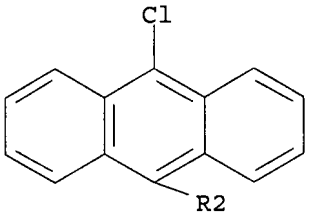
PAGE 2-A



PAGE 3-A

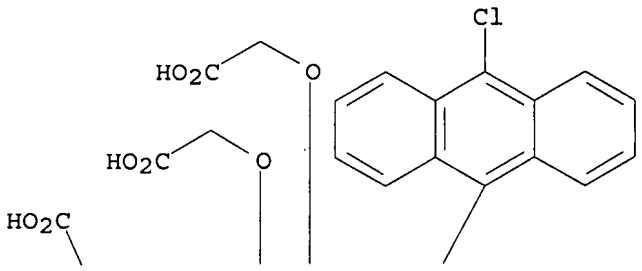




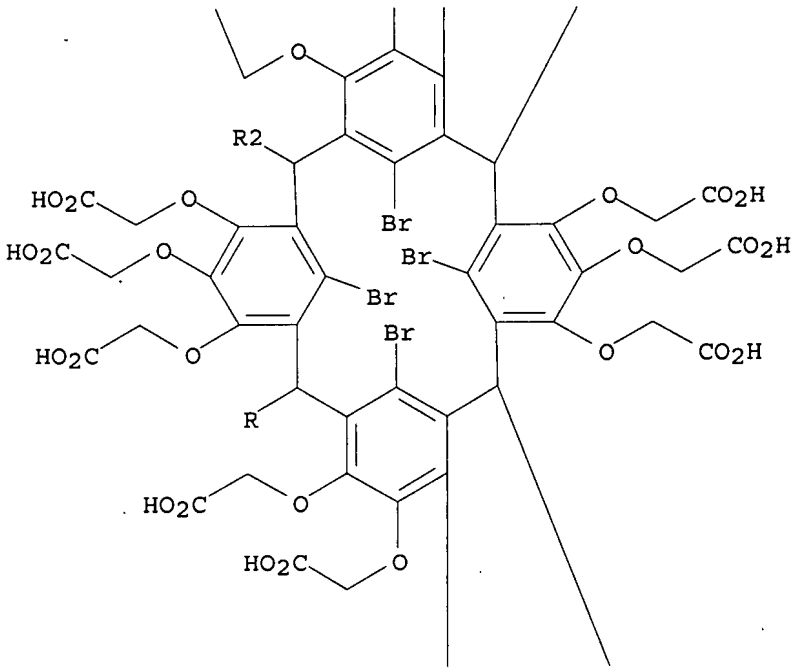


●12 K

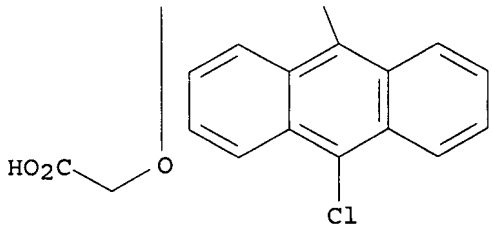
RN 171799-81-8 CAPLUS
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-(10-chloro-9-anthracenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),8,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis- (9CI) (CA INDEX NAME)

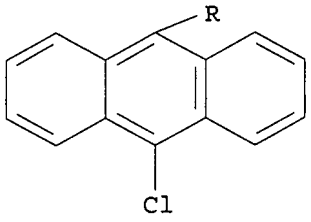


PAGE 2-A

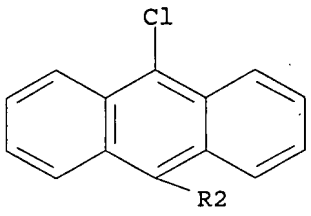


PAGE 3-A



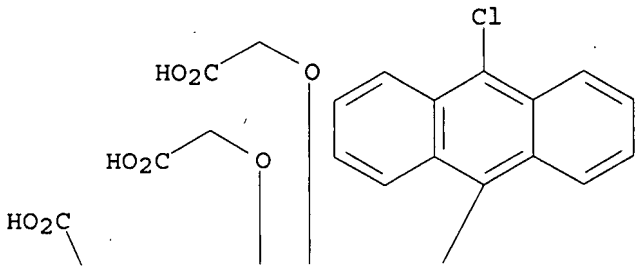


PAGE 4-A

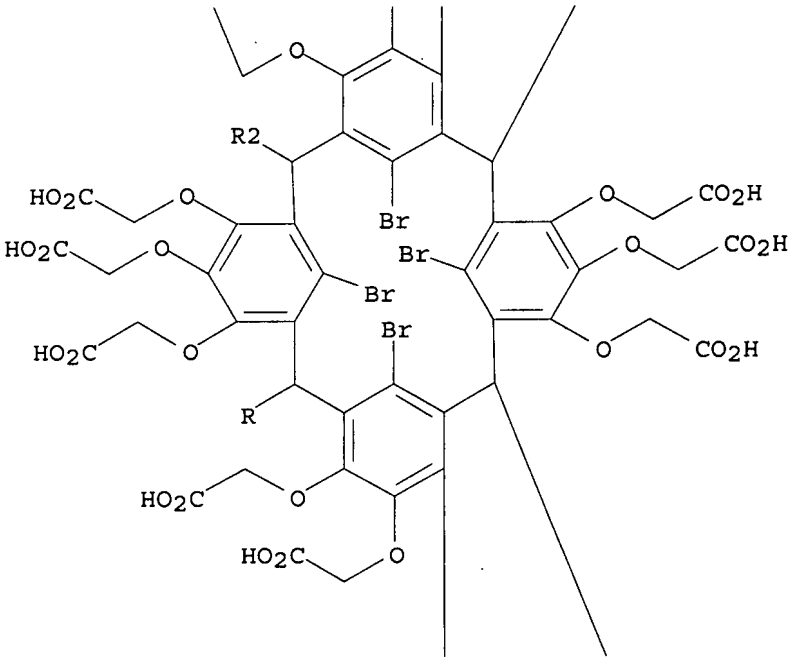


RN 171799-82-9 CAPLUS
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-(10-chloro-9-anthracenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),8,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecaammonium salt (9CI) (CA INDEX NAME)

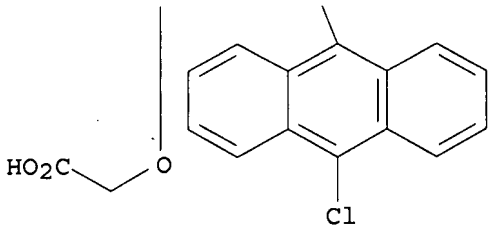
PAGE 1-A

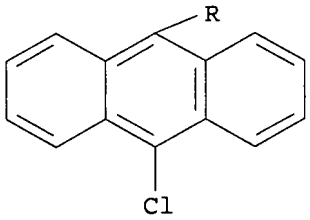


PAGE 2-A

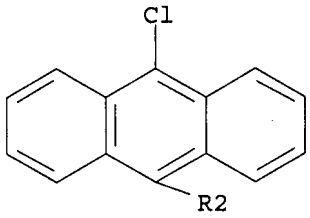


PAGE 3-A





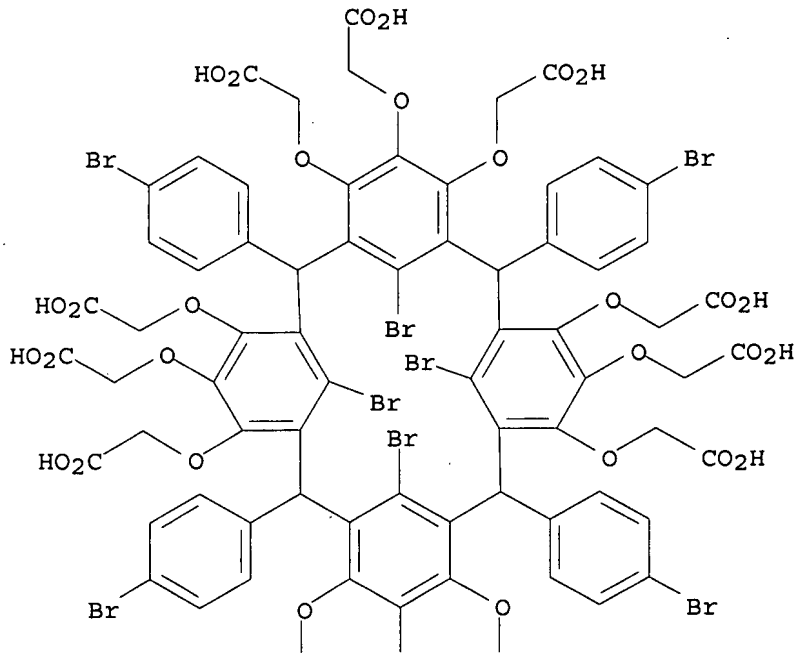
PAGE 4-A



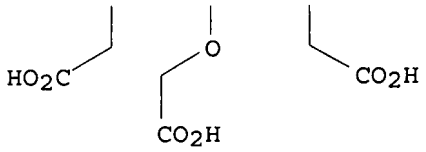
● 12 NH_3

RN 171799-89-6 CAPLUS
CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-bromophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

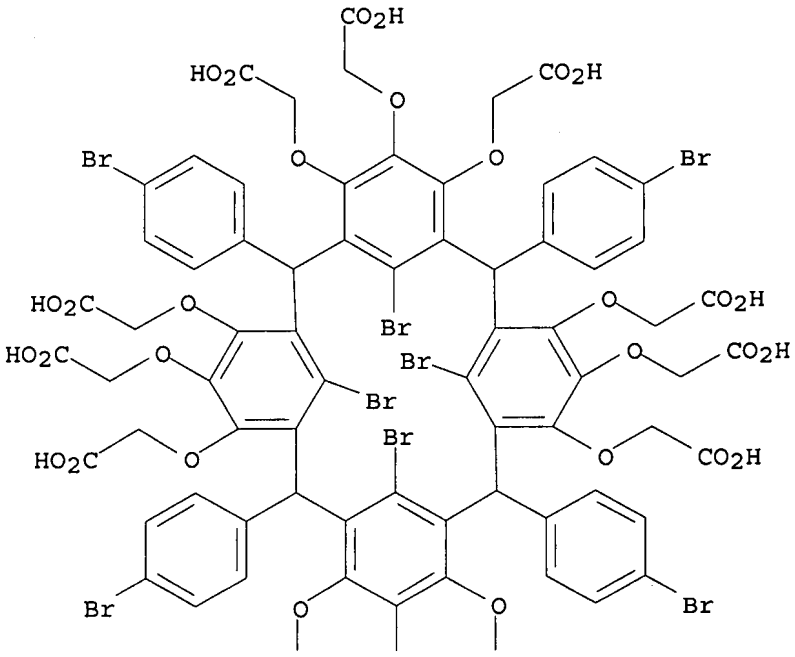


●12 K

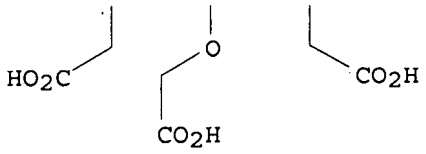
RN 171799-90-9 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-bromophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis- (9CI) (CA INDEX NAME)

PAGE 1-A



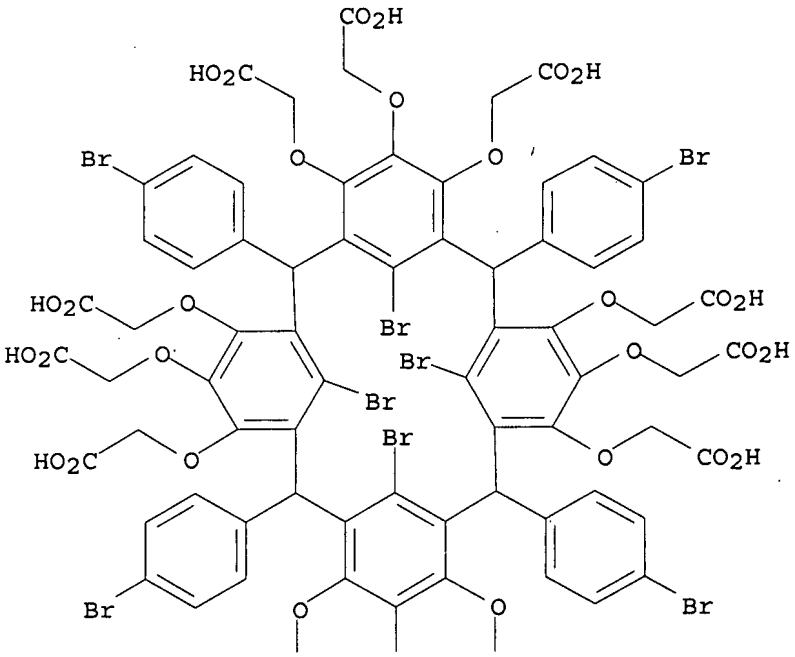
PAGE 2-A



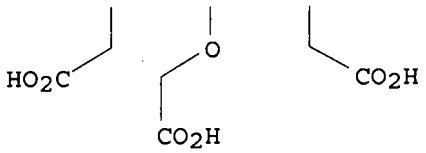
RN 171799-91-0 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-bromophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecaammonium salt (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

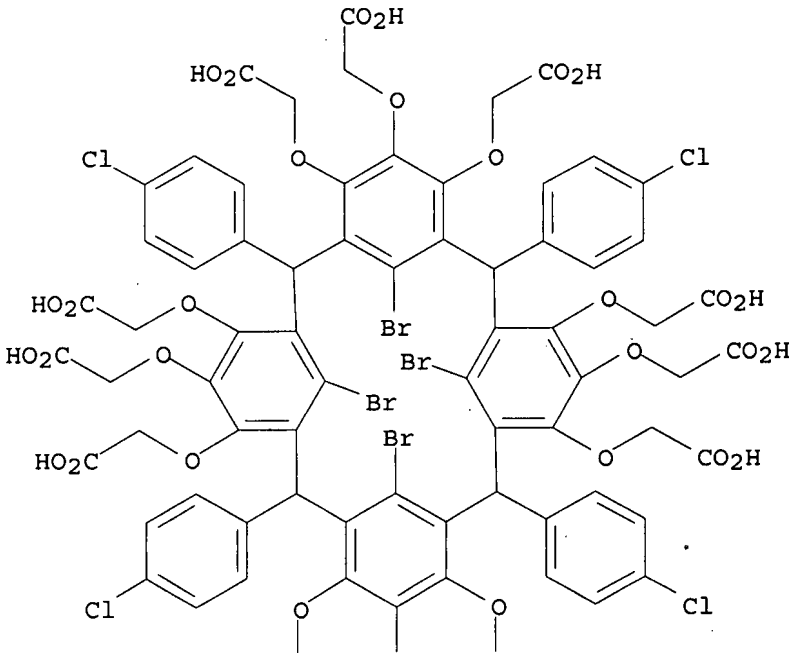


●12 NH_3

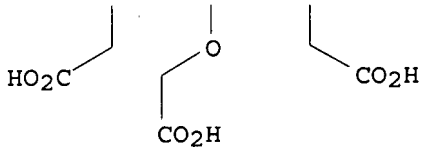
RN 171799-95-4 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-chlorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, dodecapotassium salt (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

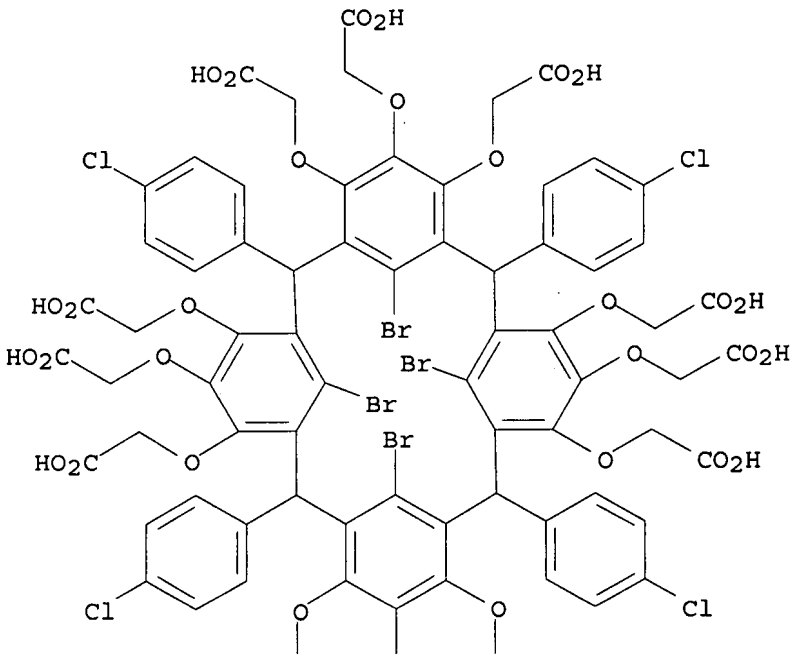


●12 K

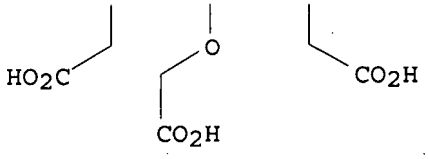
RN 171799-96-5 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''',2'''''''''''',2''''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-chlorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis- (9CI) (CA INDEX NAME)

PAGE 1-A



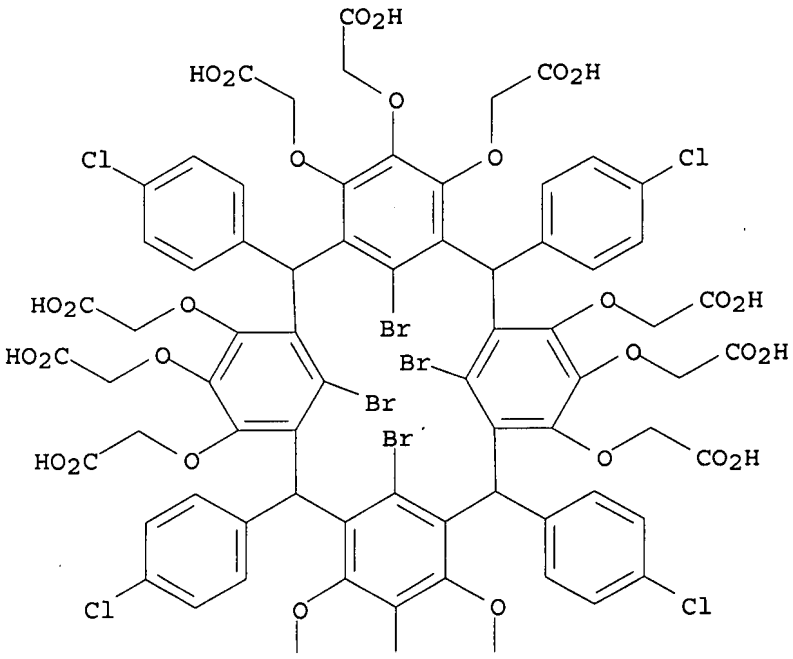
PAGE 2-A



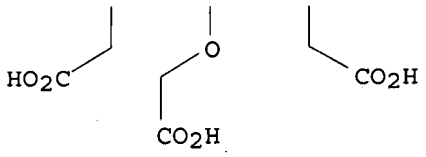
RN 171799-97-6 CAPLUS

CN Acetic acid, 2,2',2'',2''',2'''',2''''',2'''''',2''''''',2'''''''',2''''''''',2'''''''''',2''''''''''-[[25,26,27,28-tetrabromo-2,8,14,20-tetrakis(4-chlorophenyl)pentacyclo[19.3.1.13,7.19,13.115,19]octacosa-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-4,5,6,10,11,12,16,17,18,22,23,24-dodecayl]dodecakis(oxy)]dodecakis-, didecaammonium salt (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



● 12 NH_3